

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE 2004/000328

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: A61L 24/02, A61L 27/12, A61L 27/58
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: A61L

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE, DK, FI, NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, CHEM.ABS.DATA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 04000374 A1 (DR. H.C. ROBERT MATHYS STIFTUNG), 31 December 2003 (31.12.2003), page 3 fourth paragraph – page 4 first paragraph, claims, abstract	1-45
P,X	Biomaterials, volume 25, 2004, M. Bohner: "New hydraulic cements based on alpha-tricalcium phosphate-calcium sulfate dihydrate mixtures", pages 741-749	1-45

 Further documents are listed in the continuation of Box C. See patent family annex.

- * Special categories of cited documents
- *A* document defining the general state of the art which is not considered to be of particular relevance
- *B* earlier application or patent but published on or after the international filing date
- *L* document which may throw doubt on priority claim(s) or which is cited to establish the publication date of another citation or other special reasons (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed
- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- *Z* document member of the same patent family

Date of the actual completion of the international search

2 June 2004

Date of mailing of the international search report

08-06-2004

Name and mailing address of the ISA/
Swedish Patent Office
Box 5055, S-102 42 STOCKHOLM
Facsimile No. +46 8 666 02 86

Authorized officer

Monika Bohlin/Els
Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE 2004/000328

Box No. II. Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos. 42-45
because they relate to subject matter not required to be searched by this Authority, namely:
see next page
2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 64(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

The additional search fees were accompanied by the applicant's protest.
 No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE 2004/000328

Claims 42-45 relate to methods of treatment of the human or animal body by surgery or by therapy/diagnostic methods practised on the human or animal body/Rule. 39.1(iv). Nevertheless, a search has been executed for these claims. The search has been based on the alleged effects of the compounds/compositions.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE 2004/000328

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Description of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 0205861 A1 (BONE SUPPORT AB), 24 January 2002 (24.01.2002), page 8, line 13 - line 17; page 9, line 11 - line 17; page 11, line 6 - line 27, page 17, line 15 - line 18, Example 4, claims, abstract	1-11,17-38, 42-45
Y	—	12-16,39-41
Y	EP 0639382 A1 (MIT PHARMACA-AB), 22 February 1995- (22.02.1995), column 1, line 35 - column 2, line 3, claims 1,2,4,18,19, abstract	12-16,39-41
A	J. of Biomedical Materials Research, volume 61, no. 4, 2002, M. Nilsson et al: "Characterization of a novel calcium phosphate/sulphate bone cement", pages 600-607	1-45
A	Biomaterials, volume 10, 1989, november, Amir A. Mirtchi et al: "Calcium phosphate cements: action of setting regulators on properties of the beta-tricalcium phosphate-monocalcium phosphate cements", pages 634-638	1-45
A	Bioceramics: Materials and Applications, Editor Gary Fischman...Ceramic transactions, vol. 48, 1995, M. Bohner et al: "Effects of sulfate ions on the in vitro properties of beta-TCP - MCPM - Water mixtures. Preliminary in vivo results", pages 245-259	1-45
P,A	WO 03053488 A1 (BONE SUPPORT AB), 3 July 2003 (03.07.2003), abstract	12-16,39-41

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE 2004/000328

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,A	WO 03041753 A1 (ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE (EPFL)), 22 May 2003 (22.05.2003), page 1, line 5 - line 18; page 2, line 14 - page 3, line 32, abstract, example 1, claims	1-45

INTERNATIONAL SEARCH REPORT

Information on patent family members

30/04/2004

International application No.

PCT/SE 2004/000328

WO 04000374 A1 31/12/2003 - NONE

WO	0205861	A1	24/01/2002	AU	3064801	A	08/04/2002
				AU	7120901	A	30/01/2002
				EP	1301219	A	16/04/2003
				EP	1325589	A	09/07/2003
				JP	2004503332	T	05/02/2004
				SE	517168	C	23/04/2002
				SE	0002676	A	18/01/2002
				US	2004005878	A	08/01/2004
				US	2004048947	A	11/03/2004

EP	0639382	A1	22/02/1995	AT	221394	T	15/08/2002
				CA	2129910	A	19/02/1995
				DE	69431092	D,T	13/03/2003
				ES	2180553	T	16/02/2003
				SE	510491	C	31/05/1999
				SE	9302672	A	19/02/1995

WO	03053488	A1	03/07/2003	SE	522098	C	13/01/2004
				SE	0104359	A	21/06/2003

WO 03041753 A1 22/05/2003 - NONE